



SOPREMA

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TECHNICAL DATA SHEET
141017SME1E
(supersedes 131018SME1E)

COLPHENE 2000

DESCRIPTION

COLPHENE 2000 membrane is made from a select blend of self-adhesive elastomeric SBS modified bitumen compound with a high density cross laminated carrier film. A silicone release paper protects the self-adhesive side. It is specially designed to provide and sustain high performance in wide range of temperature (10 °C to 95 °C).

COLPHENE 2000 membrane provides a durable watertight seal for the building envelope protecting substrate from water migration or infiltration during the product life cycle.

APPLICATION

COLPHENE 2000 is used for many industrial, commercial and institutional applications over concrete substrate such as:

- BASEMENT WALLS
- PLAZA DECKS
- ROOF DECKS
- BALCONIES
- BELOW-GRADE VAULTS

COLPHENE 2000 must always be laid on clean, dry, solid substrates, which have previously been primed with **SOPRADERE primer**.

INSTALLATION

Prime the substrate with **SOPRADERE Primer**.

Peel back the top part of the release sheet.

Ensure that membrane is well aligned.

Adhere **COLPHENE 2000** to the substrate.

Gradually peel back the remaining release sheet, while ensuring membrane is completely adhered.

Use a hand hard roller to apply uniform pressure over the entire surface.

Apply **SOPRAMASTIC** or **SOPRAMASTIC ALU** to seal details and critical areas.

Prior to backfilling, protect the membrane with **SOPRABOARD** protection board.

For complete installation specification and information please contact your local **SOPREMA** representative.

HEALTH & ENVIRONMENT

The membrane does not contain any substance that might be detrimental to health or to the environment and complies with generally accepted health standards and Material Safety Data Sheet (MSDS).

QUALITY CONTROL

SOPREMA has always attached the highest importance to quality control. For this reason, we operate an internationally recognized quality system meeting ISO 9001 & ISO 14001 standards, independently monitored and certified.

Fully adhered and highly flexible membrane.

Easily conforms with tenacious adhesion to substrates.

Superior elongation.

Excellent tensile strength, resistance to tear and puncture.

Dimensionally stable with defined consistent thickness.

Fully adhered, watertight laps.



COLPHENE 2000

PACKAGING

Specifications	COLPHENE 2000
Thickness	1.5 mm
Roll weight	31.5 kg
Dimensions (L/W)	20 m / 1 m
Surface	Cross-laminated HDPE
Underface	Silicone release paper
Qty/pal	27

PROPERTIES

Properties	Standards	COLPHENE 2000
Softening Point (R&B)	ASTM D36	>105 °C
Low temperature flexibility	ASTM D1970	-20 °C
Tensile strength at peak load, MD/XD	ASTM D882	42/30 N/mm ² minimum
Elongation at break, MD/XD	ASTM D882	500/500 %
Puncture & propagation of tear, MD/XD	ASTM D2582	7500 / 8500 g
Adhesion strength, (Self)	ASTM D1000	2.2 N/mm
Adhesion strength (primed concrete)	ASTM D1000	2.0 N/mm
Water absorption	ASTM D570 @ 24 hrs	< 0.5 %
Water vapor permeance	ASTM E96 method B	< 2.1 ng / Pa•s•m ²
Resistance to hydrostatic head	ASTM D5385	114 m

(All values are subject to variation not exceeding 15%)

STORAGE & HANDLING

Rolls must be stored upright, with the selvage side on top.